

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****Complete if Known**

Sheet 1 of 2

Application Number	To Be Assigned
Filing Date	Concurrently
First Inventor	Yoshikazu IKENOUE et al.
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket No.	05058/16305

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
00	(1)	4,837,737		Watanabe	06/06/89	364	900	
	(8)	3,004,104		E.F. Hembrooke	10/10/61	179	2	
	(9)	3,784,289		Wicker	01/08/74	350	321	
	(10)	4,739,377		Allen	04/19/88	355	133	
	(11)	4,847,641		Tung	07/11/89	346	154	
	(12)	5,212,558		Obata et al.	05/18/93	358	296	
	(13)	5,231,663		Earl et al.	07/27/93	380	18	
	(14)	5,235,681		Masuzaki et al.	08/10/93	395	164	
	(15)	5,243,655		Wang	09/07/93	380	51	
	(16)	5,245,655		Bühn et al.	09/14/93	380	18	
	(17)	5,257,119		Funada et al.	10/26/93	358	438	
	(18)	5,299,026		Vincett et al.	03/29/94	358	401	
	(19)	5,315,098		Tow	05/24/94	235	494	
	(20)	5,337,361		Wang et al.	08/09/94	380	51	
	(21)	5,374,976		Spannenburg	12/20/94	355	201	
	(22)	5,418,602		Nishikawa	05/23/95	355	201	
	(23)	5,424,807		Ohmura	06/13/95	355	201	
	(24)	5,426,710		Suzuki et al.	06/20/95	382	135	
	(25)	5,481,377		Udagawa et al.	01/02/96	358	501	
	(26)	5,583,614		Hasuo et al.	12/10/96	355	201	
	(27)	5,640,253		Uchida et al.	06/17/97	358	501	
	(28)	5,671,277		Ikenoue et al.	09/23/97	380	7	
	(29)	5,721,788		Powell et al.	02/24/98	382	100	
	(30)	5,987,127		Ikenoue et al.	11/16/99	380	7	

**FOREIGN PATENT DOCUMENTS**

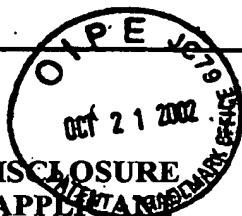
Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No
00	(2)	JP	02-052384	A	02/21/90	ABSTRACT ONLY
	(3)	JP	02-111161	A	04/24/90	X
	(4)	JP	02-120753	A	05/08/90	ABSTRACT ONLY
	(5)	JP	02-266759	A	10/31/90	X
	(6)	JP	03-120561	A	05/22/91	ABSTRACT ONLY
	(31)	JP	61-285578	A	12/16/86	X
	(32)	JP	62-256046	A	11/07/87	X
	(33)	JP	02-096276	A	04/09/90	ABSTRACT ONLY
	(34)	JP	04-009963	A	01/14/92	X

U.S. PTO  
10/084708  
02/21/02

Substitute for form 1449A/PTO				Complete if Known			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number		To Be Assigned	
				Filing Date		Concurrently	
				First Inventor		Yoshikazu IKENOUE et al.	
				Group Art Unit		To Be Assigned	
				Examiner Name		To Be Assigned	
Sheet	2	of	2	Attorney Docket No.		05058/16305	
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes      No	
DD	(35)	JP	04-343568	A	11/30/92	ABSTRACT ONLY	
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
DD	(7)	Yasuhiro Nakamura and Kineo Matsui, "A Unified Coding Method of Image and Text Data Using Three-Level Micro-Patterns", Gazou Denshi Gakkaishi, Vol. 17, No. 1 (1988), pgs. 1-14					
	(36)	"Unauthorized Copy Prevention", IBM Technical Disclosure Bulletin, June 1975, pgs. 59-60					
	(37)	"Document Security System for Copy Machines", IBM Technical Disclosure Bulletin, January 1981, pgs. 3550-3551					
	(38)	"An Improved Method of Embedding Data Into Pictures by Modulo Masking", IEEE Transactions on Communications, March 1988, Vol. 36, No. 3, pgs. 315-331					
	(39)	"Embedding Secret Information Into a Dithered Multi-Level Image", MILCOM '90, IEEE, Vol. 1, pgs. 216-220					
	(40)	Komatsu et al., "Authentication System Using Concealed Image in Telematics", Memoirs of the School of Science & Engineering, Waseda University, No. 52, pgs. 45-60, 1988					
DD	(41)	Komatsu et al., "A Proposal on Digital Watermark in Document Image Communication and Its Application to Realizing a Signature", Electronics and Communications in Japan, Part 1, Vol. 73, No. 5, 1990 (translation pgs. 22-33)					
Examiner Signature	DANG, D				Date Considered	3/30/96	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**


## Complete if Known

Application Number	10/084,708
Confirmation No.:	6227
Filing Date	February 21, 2002
First Inventor	Yoshikazu IKENOUE et al.
Group Art Unit	2623
Examiner Name	To Be Assigned
Attorney Docket No.	05058/16305

Sheet 1 of 1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
DD	(4)	5,216,724		Suzuki et al.	06/01/1993	382	7135	

## FOREIGN PATENT DOCUMENTS

Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No	
DD	(1)	JP	61-285578	A	12/16/1986		
	(2)	JP	2-284189	A	11/21/1990	ABSTRACT ONLY	
DD	(3)	JP	55-123270	A	09/22/1980	YES	

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

Examiner Signature

DANG, D

Date Considered

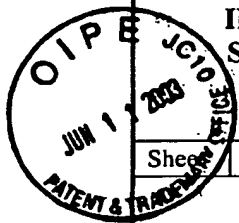
2/20/06

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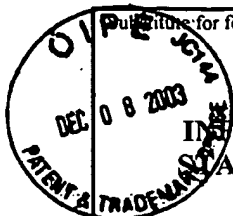
Substitute for form I449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b> Application Number: 10/084,708 Confirmation No.: 6227 Filing Date: February 21, 2002 First Inventor: Yoshikazu IKENOUE et al. Group Art Unit: 2623 Examiner Name: To Be Assigned Attorney Docket No.: 05058/16305				
Sheet	1	of	1					
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
PD	(6)	6,166,750		Negishi	12/26/00	347	131	
PD	(7)	5,257,119		Funada et al.	10/26/93	358	438	
<b>RECEIVED</b>								
<b>FOREIGN PATENT DOCUMENTS</b>								
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Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No		
PD	(1)	JP	03-256087	(A)	11/14/91	YES		
	(2)	JP	61-204766	(U)	12/24/86	PARTIAL		
	(3)	JP	02-161477	(A)	06/21/90	PARTIAL		
	(4)	JP	62-111800	(A)	05/22/87	PARTIAL		
PD	(5)	JP	05-219353	(A)	08/27/93	ABSTRACT		
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>								
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
Examiner Signature	DANG, D				Date Considered	3/30/06		

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Substitute for form 1449A/PTO				Complete if Known				
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/084,708			
				Confirmation No.:	6227			
				Filing Date	February 21, 2002			
				First Inventor	Yoshikazu IKENOUE et al.			
				Group Art Unit	2623			
				Examiner Name	To be assigned			
				Attorney Docket No.	05058/16305			
Sheet	1	of	1					
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No		
<b>OTHER NON PATENT LITERATURE DOCUMENTS</b>								
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
PD	(1)	Naohisa Komatsu, "Information Security For Facsimile Communication"; <u>Gazo Denshi Gakkaishi (Journal of the Institute of Picture and Electronics Engineers)</u> Vol. 19, No. 4, April 1990, pgs 229-235 and translation (pgs. 1-12)						
	(2)	Costas S. Xydeas et al, "Embedding Data Into Pictures By Modulo Masking", <u>IEEE Transactions on Communications</u> , Vol. COM-32, No. 1, January 1984, pgs 56-70						
W	(5)	Michio Yamada et al, "A Proposal on Secure Document Image Management Facilities Using Smart Card", "Proc. of 1989 Autumn Meeting of the Institute of Electronics, Information and Communication Engineers, SD-2-3, September 1989, pgs 223-224 and translation (3 pgs)						
Examiner Signature	DANG, D				Date Considered	3/30/06		

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Publication for form 1449A/PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTS****Complete if Known**

Application Number	10/084,708
Confirmation No.:	6227
Filing Date	February 21, 2002
First Inventor	Yoshikazu IKENOUE et al
Group Art Unit	2623
Examiner Name	To be assigned
Attorney Docket No.	05058/16305

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
DP	(1)	1,002,600		Morris et al	09/05/11	—	—	
	(2)	4,668,597		Merchant	05/26/87	430	22	
DP	(3)	5,489,158		Wang et al	02/06/96	400	103	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No
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						DEC 09 2003
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**OTHER NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

Examiner  
Signature

DANG, D

Date  
Considered

3/30/06

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